

ABSTRACT

Electrically active devices are formed using a special  
conducting material of the form  $Tm-Ox$  mixed with  $SiO_2$  where  
5 the materials are immiscible. The immiscible materials are  
forced together by using high energy process to form an  
amorphous phase of the two materials. The amorphous  
combination of the two materials is electrically conducting  
but forms an effective barrier.

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